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| U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE<br>(REV. 5-93)  |  | ATTORNEY'S DOCKET NUMBER<br>VO-679                                     |
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b>   |  | U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)<br><b>10/500731</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/EP03/00178   | INTERNATIONAL FILING DATE<br>10 January 2003 | PRIORITY DATE CLAIMED<br>12 January 2002                               |
| TITLE OF INVENTION<br>HEATING DEVICE COMPRISING A FLEXIBLE HEATING ELEMENT  |  |  |
| APPLICANT(S) FOR DO/EO/US<br>Ernst MERK et al.  |  |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |  |  |
| <p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND OR SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</p> <p>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))<br/>       a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).<br/>       b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau.<br/>       c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)), including a translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). (verified)</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))<br/>       a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).<br/>       b. <input type="checkbox"/> have been transmitted by the International Bureau.<br/>       c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.<br/>       d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). (verified)</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p>Items 11. to 16. below concern other document(s) or information included:</p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment. (12 pages)<br/> <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> A substitute specification. (attached to a red-ink marked-up version of the English language translation)</p> <p>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>16. <input checked="" type="checkbox"/> Other items or information:<br/>       - Form PCT/IB/301<br/>       - Form PCT/IB/304<br/>       - Form PCT/IB/308<br/>       - Form PCT/ISA/210 (English language version, 2 pages)<br/>       - Transmittal of Substitute Specification (2 pages)<br/>       - Certificate of Mailing by Express Mail (2 pages)<br/>       - Return Receipt Postcard</p> |  |  |

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| U.S. APPLICATION NO. (if known - see 37 CFR 1.492)   |              | INTERNATIONAL APPLICATION NO.<br>PCT/EP03/00178 | ATTORNEY'S DOCKET NUMBER<br>VO-679 |
| 17. <input checked="" type="checkbox"/> The following fees are submitted:<br><b>BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)):</b>   |              | <b>CALCULATIONS</b> PTO USE ONLY                |                                    |
| Search Report has been prepared by the EPO or JPO ..... \$ 920.00<br>International preliminary examination fee paid to USPTO (37 CFR 1.482) ..... \$ 730.00<br>No international preliminary examination fee paid to USPTO (37 CFR 1.482)<br>but international search fee paid to USPTO (37 CFR 1.445(a)(2)) ..... \$ 770.00<br>Neither international preliminary examination fee (37 CFR 1.482) nor<br>international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$ 1,080.00<br>International preliminary examination fee paid to USPTO (37 CFR 1.482) and<br>all claims satisfied provisions of PCT Article 33(2)-(4) ..... \$ 100.00 |              |   |                                    |
| <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>  |              | \$ 920.00                                       |                                    |
| Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from<br>the earliest claimed priority date (37 CFR 1.492(e)).   |              |   |                                    |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA                                    | RATE                               |
| Total claims   | * 18         | 0   | X \$18.00                          |
| Independent claims   | * 1          | 0   | X \$86.00                          |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)  |              | + \$290.00                                      |                                    |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              | \$ 920.00                                       |                                    |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above<br>are reduced by 1/2.  |              | +   |                                    |
| <b>SUBTOTAL =</b>  |              | \$ 920.00                                       |                                    |
| Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months<br>from the earliest claimed priority date (37 CFR 1.492(f)).  |              | +   |                                    |
| <b>TOTAL NATIONAL FEE =</b>  |              | \$ 920.00                                       |                                    |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an<br>appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  |              | +   |                                    |
| <b>TOTAL FEES ENCLOSED =</b>   |              | \$ 920.00                                       |                                    |
| * Based upon entry of the First Preliminary Amendment.   |              | Amount to be:<br>refunded                       | \$                                 |
|  |              | charged   | \$                                 |
| a. <input checked="" type="checkbox"/> A check in the amount of <u>\$920.00</u> to cover the above fee is enclosed.  |              |   |                                    |
| b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.<br>A duplicate copy of this sheet is enclosed.   |              |   |                                    |
| c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any<br>overpayment to Deposit Account No. <u>19-3550</u> . A duplicate copy of this sheet is enclosed.   |              |   |                                    |
| NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b))<br>must be filed and granted to restore the application to pending status.   |              |   |                                    |
| <br>SIGNATURE<br>Douglas H. Pauley  |              |   |                                    |
| NAME<br>33,295   |              |   |                                    |
| REGISTRATION NUMBER  |              |   |                                    |

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Ernst MERK  
Ralf KÖHLER

Title: HEATING DEVICE COMPRISING A  
FLEXIBLE HEATING ELEMENT

Based Upon: PCT/EP03/00178

Express Mail No.: EV512063681US

Date of Deposit: 02 July 2004

Customer No.: 42419

**TRANSMITTAL OF SUBSTITUTE SPECIFICATION**

**Mail Stop PCT**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicants have enclosed a Substitute Specification attached to a red ink marked-up copy of the verified English language translation of PCT International Application PCT/EP03/00178. The red ink identifies changes to the verified English language translation which are incorporated in the Substitute Specification.

The Substitute Specification includes general revisions to correct idiomatic translational errors and to provide proper headings. The undersigned states that the Substitute Specification contains no new matter.

Based Upon: PCT/EP03/00178

Applicants sincerely believe that this Patent Application is now in condition for prosecution before the U.S. Patent and Trademark Office.

Respectfully submitted,



Douglas H. Pauley  
Registration No. 33,295

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Ernst MERK  
Ralf KÖHLER

Title: HEATING DEVICE COMPRISING A FLEXIBLE  
HEATING ELEMENT

Based Upon: PCT/EP03/00178

Express Mail No.: EV512063681US

Date of Deposit: 02 July 2004

Customer No.: 42419

**CERTIFICATE OF MAILING BY EXPRESS MAIL**

**Mail Stop PCT**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

I hereby certify that the following requisites of the subject Patent Application are being deposited with the United States Postal Service as Express Mail Post Office to Addressee No. EV512063681US, on 02 July 2004, and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, together with the items listed below.

- Transmittal Letter (Form PTO-1390)(2 pages), in duplicate
- Verified English language translation of the International Application, including a translation of the annexes to the

Based Upon: PCT/EP03/00178

International Preliminary Examination Report under PCT

Article 36 (35 U.S.C. 371(c)(5))

- First Preliminary Amendment (12 pages)
- Transmittal of Substitute Specification (2 pages)
- Substitute Specification attached to a red ink marked-up copy of the verified English language translation
- Form PCT/IB/301
- Form PCT/IB/304
- Form PCT/IB/308
- English language copy of the International Search Report, Form PCT/ISA/210 (2 pages)
- A check in the amount of \$920.00 to cover the fees set forth in the Transmittal Letter
- Return Receipt Postcard

Respectfully submitted,



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